

Serial No. 09/667,516  
HP 30003758-1 US  
LHB 1509-130  
Page 8

IN THE CLAIMS:

Please add claims 21-24 as follows:

1. (Previously presented) A method of manufacture of an operating system master template for installing at least one operating system onto a computer entity, said manufacturing method comprising the steps of:

installing a primary operating system on a first partition of a data storage device;

installing a secondary operating system on a second partition of said data storage device; and

installing an installation component on a third partition of said data storage device;

wherein said first, second, and third partitions of said data storage device are separate from each other; and

wherein said secondary operating system is installed on said second of said plurality of partitions of said data storage device only upon said primary operating system being installed on said first of said plurality of partitions of said data storage device and while the primary operating system is in a non-running static state.

Serial No. 09/667,516

HP 30003758-1 US

LHB 1509-130

Page 9

2. (Previously presented) The method as claimed in claim 1, wherein said installation component comprises:

database installation sub-components configured for installation of database onto said computer entity.

3. (Previously presented) The method as claimed in claim 1, wherein said installation component comprises:

a back-up application sub-component for installation of a back-up application onto said computer entity.

4. (Previously presented) The method as claimed in claim 1, wherein said installation component comprises:

a plurality of set up data files for set up of said primary operating system; and

a set up data file installation component for installing said set up data files onto said computer entity, and for deletion of said set up data files after a successful set up of said primary operating system.

5. (Previously presented) The method as claimed in claim 1, wherein said installation component comprises:

a plurality of set up data files for set up of said secondary operating system; and

Serial No. 09/667,516  
HP 30003758-1 US  
LHB 1509-130  
Page 10

a set up data file installation component for installing said set up data files onto said computer entity and for deletion of said set up data files after a successful set up of said secondary operating system.

6. (Previously presented) A method of manufacture of a computer entity, said computer entity comprising at least one data processor and at least one data storage device, said method comprising the steps of:

partitioning said data storage device into a plurality of partitions;

installing a primary operating system onto a first of said plurality of partitions of said data storage device;

installing a secondary operating system onto a second of said plurality of partitions of said data storage device;

installing an installation component onto a third of said plurality of partitions of said data storage device; and

after installation of said primary and secondary operating systems, deleting said installation component

wherein said first, second, and third partitions of said data storage device are separate from each other; and

wherein said secondary operating system is installed on said second of said plurality of partitions of said data storage device

Serial No. 09/667,516

HP 30003758-1 US

LHB 1509-130

Page 11

only upon said primary operating system being installed on said first of said plurality of partitions of said data storage device and while the primary operating system is in a non-running static state.

7. (*Previously presented*) The method of manufacture as claimed in claim 6, further comprising the step of:

running a program to set up license key data on a further partition of said plurality of partitions of said data storage device.

8. (*Original*) The method as claimed in claim 6, wherein said third partition onto which said installation component is installed comprises a reserved space partition, which is separate from said first and second partitions on which said primary and secondary operating systems are installed.

9. (*Previously presented*) The method as claimed in claim 6, wherein said step of installing said installation component comprises:

installing a database installation component for installing a database onto said computer entity.

Serial No. 09/667,516  
HP 30003758-1 US  
LHB 1509-130  
Page 12

10. (Original) The method as claimed in claim 6, wherein said step of deleting said installation component comprises deleting a database installation component after a successful installation of a database on said computer entity.

11. (Previously presented) The method as claimed in claim 6, wherein said step of installing said installation component comprises:

installing a back-up program installation component for installing a back-up program on said computer entity.

12. (Original) The method as claimed in claim 6, wherein said step of deleting said installation component comprises:

deleting a back-up program installation component after a successful installation of a back-up program onto said computer entity.

13. (Previously presented) The method as claimed in claim 6, further comprising the step of:

creating system identification data on said data storage device, wherein said system identification data uniquely identifies a relationship between said operating system and said computer entity.

Serial No. 09/667,516  
HP 30003758-1 US  
LHB 1509-130  
Page 13

14. (Previously presented) A computer entity product comprising a data storage device, said computer entity manufactured by a method comprising the steps of:

partitioning said data storage device into a plurality of partitions;

installing a primary operating system onto a first partition of said plurality of partitions of said data storage device;

installing a secondary operating system onto a second partition of said plurality of partitions said of said data storage device;

installing an installation component onto a third partition of said plurality of partitions of said data storage device; and

after installation of said primary and secondary operating systems, deleting said installation component from said data storage device;

wherein said first, second, and third partitions of said data storage device are separate from each other; and

wherein said secondary operating system is installed on said second of said plurality of partitions of said data storage device only upon said primary operating system being installed on said first of said plurality of partitions of said data storage device

Serial No. 09/667,516  
HP 30003758-1 US  
LHB 1509-130  
Page 14

and while the primary operating system is in a non-running static state.

15. (Previously presented) A method of producing a production version of an operating system for installation into a production version computer entity, said method comprising the steps of:

creating an operating system master template having a plurality of partitions, wherein a primary operating system is stored on a first of said plurality of partitions, a secondary operating system is stored on a second of said plurality of partitions, and an installation component is stored on a third of said plurality of partitions;

loading said operating system master template into a mastering computer entity to create a master disk image of said operating system master template on said mastering computer entity; and

replicating said master disk image by loading said master disk image from said mastering computer entity onto said production computer entity;

wherein said first, second, and third partitions of said operating system master template are separate from each other; and

wherein said secondary operating system is installed on said second of said plurality of partitions of said master disk only upon said primary operating system being installed on said first of

Serial No. 09/667,516  
HP 30003758-1 US  
LHB 1509-130  
Page 15

said plurality of partitions of said master disk and while the primary operating system is in a non-running static state.

16. (*Previously presented*) The method as claimed in claim 15, wherein:

said replicated master disk image loaded onto said production computer entity operates to:

install said primary operating system onto a first partition of said production computer entity;

install said secondary operating system onto a second partition of said production computer entity; and

self-delete said installation component after a successful loading of said primary and secondary operating systems onto said production computer entity.

17. (*Original*) The method as claimed in claim 15, wherein said installation component comprises:

a back-up program installation component for installing a back-up program.

18. (*Previously presented*) The method as claimed in claim 15, wherein said installation component comprises:

a database installation component for installing a database onto said production computer entity.



Serial No. 09/667,516  
HP 30003758-1 US  
LHB 1509-130  
Page 16

19. (Original) The method as claimed in claim 15, wherein, during said step of replicating said loaded master disk image by loading onto said production computer entity, said installation component is installed on a third partition of said production computer entity.

20. (Original) The method as claimed in claim 15, wherein said step of replicating said loaded master disk image from said mastering computer entity onto said production computer entity comprises:

creating a plurality of partitions on a data storage device of said production computer entity.

21. (New) A conventional computer including a keyboard, a memory, a processor, a mouse, and a display for building a master system disk for controlling a headless computer, the conventional computer including a build system for enabling the master system disk to store (a) a primary operating system, (b) an emergency operating system that is a cut-down version of the primary operating system and enables the headless computer to be run if the primary operating system fails, (c) a good, uncorrupted full copy of the primary operating system that enables the primary operating system to be rebuilt in the event of a failure of the primary

Serial No. 09/667,516  
HP 30003758-1 US  
LHB 1509-130  
Page 17

operating system, and (d). set-up files for application software, the good uncorrupted full copy of the primary operating system including a copy of files of the primary operating system and copies of default data of the primary operating system, the set-up files including (i) an installation code used in a preinstallation system for creating the master system disk from a master system disk template produced by the build system, and (ii) application software for use in the headless computer while the headless computer is operating and coupled with a network, the build system being arranged for (a) enabling a user to create an embedded operating system including primary and emergency operating systems for installation into the primary and emergency operating systems, (b) copying the primary and emergency operating system files onto an operating system backup partition of a partitioned memory of the conventional computer, the partitioned memory including separate partitions for storing (i) the primary operating system, (ii) the emergency operating system, (iii) primary operating system boot instructions, and (iv) emergency operating system boot instructions, the operating system backup partition being arranged to store copies of files of (i) the primary operating system, (ii) boot instructions of the primary operating system, and (c) copying set-up files for copied application software with a reserved space partition of the partitioned memory.

Serial No. 09/667,516  
HP 30003758-1 US  
LHB 1509-130  
Page 18

22. (New) The computer as claimed in claim 21, wherein the build system is arranged for installing a license key onto a raw disk sector of the master system disk.

23. (New) The computer as claimed in claim 21, wherein the conventional computer is arranged for (a) creating a master system disk template and a master data disk template for insertion into the headless computer, and (b) for controlling a preinstallation process of the headless computer after the master system disk template and master data disk templates have been inserted into the headless computer, the preinstallation process including creating web administration page software for the headless computer by installing into the headless computer web administration pages derived from a partition of the conventional computer.

24. (New) The method as claimed in claim 1, wherein the method is performed by a conventional computer including a processor, a memory, a display, and a mouse in response to operator inputs, and the template is for forming a master system disk for a headless computer for use with a network, the method further including:

installing the master system disk template and a master data disk template into the headless computer;

Serial No. 09/667,516  
HP 30003758-1 US  
LHB 1509-130  
Page 19

with the master system disk template and the master data disk template installed into the headless computer, causing the headless computer to create administration page software of the headless computer from set-up files in the installation component on the third partition.